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3	1	(confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with (audio and picture\$4) near3 recipient\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 11:40
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5	16	(audio and picture\$4) near9 recipient\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 11:40
6	255	(confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with ((predetermin\$5 purpose\$5 certain\$5 particular\$5 indicate\$5 design\$5 intend\$6 specif\$6) near3 (receiver\$5 recipient\$5)) with (voice pictur\$5 imag\$5 graphic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 17:31
7	170	(confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with ((predetermin\$5 purpose\$5 certain\$5 particular\$5 indicate\$5 design\$5 intend\$6 specif\$6) near3 (receiver\$5 recipient\$5)) near9 (voice pictur\$5 imag\$5 graphic\$5) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:08
8	116	((confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with ((predetermin\$5 purpose\$5 certain\$5 particular\$5 indicate\$5 design\$5 intend\$6 specif\$6) near3 (receiver\$5 recipient\$5)) near9 (voice pictur\$5 imag\$5 graphic\$5) )) and @ad<20010628	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 11:52
9	15	((predetermin\$5 purpose\$5 certain\$5 particular\$5 indicate\$5 design\$5 intend\$6 specif\$6) near3 (receiver\$5 recipient\$5)) near4 correspond\$6 near4 (voice pictur\$5 imag\$5 graphic\$5) )	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 11:58
10	137	(receiver\$5 recipient\$5) near3 correspond\$6 near3 (voice pictur\$5 imag\$5 graphic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:07
15	4	(confirm\$6 affirm\$5 certify\$5 determin\$5 verify\$6) near4 notice\$5 near9 (receiver\$5 recipient\$5) near9 (voice pictur\$5 audio imag\$5 graphic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:09
16	5	(confirm\$6 affirm\$5 certify\$5 determin\$5 verify\$6) near4 (dialog\$6 notice\$5) near9 (receiver\$5 recipient\$5) near9 (voice pictur\$5 audio imag\$5 graphic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:09
17	5	(confirm\$6 affirm\$5 certify\$5 determin\$5 verify\$6) near4 (dialog\$6 notice\$5) near9 (receiver\$5 recipient\$5) near9 (voice pictur\$5 audio imag\$5 multimedia media multi-media graphic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:10
18	9	(confirm\$6 affirm\$5 certify\$5 determin\$5 verify\$6) near8 (dialog\$6 notice\$5) near9 (receiver\$5 recipient\$5) near9 (voice pictur\$5 audio imag\$5 multimedia media multi-media graphic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:10

20	1440	(email e-mail (electronic\$5 adj (message\$5 mail\$5))) with (confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with (multimedia media multi-media audio sound image\$5 graphic\$5 display\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 13:04
19	10	(confirm\$6 affirm\$5 certify\$5 determin\$5 verify\$6) with (dialog\$6 notice\$5) near9 (receiver\$5 recipient\$5) near9 (voice pictur\$5 audio imag\$5 multimedia media multi-media graphic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:19
21	71	(email e-mail (electronic\$5 adj (message\$5 mail\$5))) with confirmat\$9 near9 (dialog\$5 notice\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 13:07
22	3	(closed adj loop\$5) with (email\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 13:08
23	331	(closed adj loop\$5) and (email\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 13:08
24	6	(closed adj loop\$5).ti. and (email\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 14:12
27	3	recipient\$5 near3 (face facial\$5 picture\$5) near9 thumbnail\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 14:15
28	0	delivery adj email adj (intended\$5 unintende\$5)	USPAT	2004/10/25 15:44
29	0	delivery adj email adj (intended\$5 unintende\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 15:44
30	2	delivery adj (e-mail email) adj (intend\$5 unintend\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:03
31	14	((("6460074") or ("6434601") or ("6427164") or ("6405225") or ("6360221") or ("6334142") or ("6332164") or ("6330590") or ("6266692") or ("6249808") or ("6230186") or ("6230156") or ("6212551") or ("6192407"))).PN.	USPAT	2004/10/25 16:37
36	988	(709/206).CCLS.	USPAT	2004/10/25 17:30
37	3	((confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with ((predetermin\$5 purpose\$5 certain\$5 particular\$5 indicate\$5 design\$5 intend\$6 specif\$6) near3 (receiver\$5 recipient\$5)) with (voice pictur\$5 imag\$5 graphic\$5) ) and ((709/206).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 17:32
38	34	(345/752).CCLS.	USPAT	2004/10/25 17:32
39	0	((confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with ((predetermin\$5 purpose\$5 certain\$5 particular\$5 indicate\$5 design\$5 intend\$6 specif\$6) near3 (receiver\$5 recipient\$5)) with (voice pictur\$5 imag\$5 graphic\$5) ) and ((345/752).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 17:32

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-	29	(email e-mail (electronic\$5 adj (message\$5 mail\$5))) with (confirm\$6 near9 (intend\$6 specif\$6) near3 recipient\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 10:32
-	11	((email e-mail (electronic\$5 adj (message\$5 mail\$5))) with (confirm\$6 near9 (intend\$6 specif\$6) near3 recipient\$5)) and @ad<20010628	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 19:32
-	3	(email e-mail (electronic\$5 adj (message\$5 mail\$5))) with (confirm\$6 with recipient\$5) with (prior near3 send\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 10:32
-	235	(email e-mail (electronic\$5 adj (message\$5 mail\$5))) with (confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with ((intend\$6 specif\$6) near3 recipient\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:12
-	114	((email e-mail (electronic\$5 adj (message\$5 mail\$5))) with (confirm\$6 guarantee affirm\$5 certify\$5 determin\$5 verify\$6) with ((intend\$6 specif\$6) near3 recipient\$5)) and @ad<20010628	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 11:48


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confirm "intended recipient" email prior to send

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### Can.Com.Sg - Store Policy

... **email** address, delivery address, contact number and the **intended recipient**). ... will contact the recipient to **confirm** delivery time ... An **email** will be **send** to the ...  
[www.can.com.sg/.../store\\_policy.html?](http://www.can.com.sg/.../store_policy.html?categoryID=2&merchantCode=20&searchPage=1)  
[categoryID=2&merchantCode=20&searchPage=1](#) - 18k -  
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#### Email Confirmation

Confirmation of **Email** Sending and Reading. Edit and track sent **email**!  
[www.pointofmail.com](http://www.pointofmail.com)

#### Confirm Delivery Silently

Reports show you when and where personal **email** from you was viewed.  
[EmTrk.com](http://EmTrk.com)

[See your message here...](#)

### Charlotte Regional Medical Center : Send A Message of Goodwill

... time or delivery to the **intended recipient** is not ... the instructions outlined herein, that my **email** may or ... responded to, that CRMC cannot **confirm** an employee's ...  
[www.charlotteregional.com/getpage.php?name=send2](http://www.charlotteregional.com/getpage.php?name=send2) - 13k -  
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### Website and Email Law

... The **email** is confidential and intended for the use of the **intended recipient** only. • ...  
**Send** an **email** to **confirm** this (provided you have enough stock to ...  
[www.bcentral.co.uk/issues/marketing/online/marketing/websiteandemailaw.msp](http://www.bcentral.co.uk/issues/marketing/online/marketing/websiteandemailaw.msp) - 47k -  
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### How to Reduce Email Bounces - 14 Quick Tips

... **Confirm Email** Addresses: **Send** an auto-reply confirmation when ... A soft bounce is an **email** message that ... back undelivered before it gets to the **intended recipient**. ...  
[www.emallabs.com/articles/email\\_articles/article\\_reducebounces.html](http://www.emallabs.com/articles/email_articles/article_reducebounces.html) - 34k -  
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### G-Lock Email Processor, process/parse bounced/undeliverable, email ...

... mailing list, you can use My Subscribers **Confirm** rule ... be delivered or accepted by the **intended recipient's** ISP mail ... with a fake or non-existing **email** address in ...  
[www.fast-bulk-email.com/g-lock-mail-processor/faq.html](http://www.fast-bulk-email.com/g-lock-mail-processor/faq.html) - 17k - [Cached](#) - [Similar pages](#)

### ClickZ Experts on Email Marketing Strategies

[www.clickz.com/experts/em\\_mkt/em\\_mkt/print.php/3291461](http://www.clickz.com/experts/em_mkt/em_mkt/print.php/3291461) - 24k - [Cached](#) - [Similar pages](#)

### HR Command Template

... name if different from recipient, and **email** address (if ... must include the phrase "I **confirm** my faithful ... document which shows that the **intended recipient** was a ...  
<https://www.perscomonline.army.mil/tagd/coldwar/default.htm> - 21k -  
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### Exchange disclaimer software

... manager and that the manager must **confirm** any agreements in ... If you are not the **intended recipient** (or responsible for ... If you have received this **email** in error ...  
[www.policypatrol.com/disclaimer\\_tips.htm](http://www.policypatrol.com/disclaimer_tips.htm) - 15k - [Cached](#) - [Similar pages](#)

### RE: Date of service

... was discussed, but I want to **confirm** that opinions ... 354-4521 > Fx (804) 678-0452 >  
**[EMAIL PROTECTED]** > > This ... If you are not the **intended recipient**, you are ...

[www.mail-archive.com/business@wedi.org/msg00426.html](http://www.mail-archive.com/business@wedi.org/msg00426.html) - 12k - [Cached](#) - [Similar pages](#)

### SmarTone - Short Message Service (SMS)

... If the message's **intended recipient** has switched off his or her mobile ... Then press "Send" to **confirm**. ... colleagues or friends from PC, is as easy as sending **email**. ...  
[www.smartone.com.hk/jsp/2/2\\_2/2\\_2\\_3/index.jsp](http://www.smartone.com.hk/jsp/2/2_2/2_2_3/index.jsp) - 47k - [Cached](#) - [Similar pages](#)

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confirm "intended recipient" email pr

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prior before sending email confirm "intended recipient"

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**Web Results 1 - 10** of about **2,030** for **prior before sending email confirm "intended recipient"** . (0.46 second)

### Website and Email Law

... the contractual implications of an **email before sending** it (see ... partnerships without their **prior** consent – unless ... and conditions are agreed **before** you accept ...

[www.bcentral.co.uk/issues/marketing/](http://www.bcentral.co.uk/issues/marketing/)

[onlinemarketing/websiteandemailaw.aspx](http://onlinemarketing/websiteandemailaw.aspx) - 47k - [Cached](#) - [Similar pages](#)

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Get Instant Confirmations when Your **Email** Gets Read !

[www.pointofmail.com](http://www.pointofmail.com)

[See your message here...](#)

### G-Lock Email Processor, process/parse bounced/undeliverable, email ...

... to our list without your **prior** knowledge or ... Whatever method of **sending email** messages you use, your ... successfully pass through numerous phases **before** it reaches ...

[www.fast-bulk-email.com/g-lock-mail-processor/faq.html](http://www.fast-bulk-email.com/g-lock-mail-processor/faq.html) - 17k - [Cached](#) - [Similar pages](#)

### [doc] EMAIL CONSENT FORM

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... third parties without the patient's **prior** written consent ... of changes in his/her **email** address. ... all relevant information if provided **before sending** to Provider. ...

[www.iupui.edu/~neurosurg/EMAIL%20CONSENT%20FORM.DOC](http://www.iupui.edu/~neurosurg/EMAIL%20CONSENT%20FORM.DOC) - [Similar pages](#)

### Configuring E-Mail Services in Windows Server 2003

... site, the applicant's identity is verified **before** an ID ... Note: Since Active Directory accounts were established **prior** to the ... **Sending** Digitally Signed E-Mail. ...

[www.microsoft.com/.../windowsserver2003/](http://www.microsoft.com/.../windowsserver2003/)

[technologies/directory/activedirectory/stepbystep/ncrypte.mspx](http://technologies/directory/activedirectory/stepbystep/ncrypte.mspx) - 54k -

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### ZixCorp: Secure Business Email, Encryption and Privacy - Privacy ...

... messages is scanned by ZixCorp computers **prior** to being ... the messages are to be encrypted **before** being sent to ... or ZixMessage Center account by **sending** an **email** ...

[www.zixcorp.com/privacy.php](http://www.zixcorp.com/privacy.php) - 47k - Oct 24, 2004 - [Cached](#) - [Similar pages](#)

### Sending emails to our hotmail users

... visibility to **email** activity taking place **prior** to being ... 1) First, **before** you do anything, **confirm** that ... yourself as someone possibly **sending** unsolicited emails ...

[www.webmasterworld.com/forum23/3113-2-10.htm](http://www.webmasterworld.com/forum23/3113-2-10.htm) - [Similar pages](#)

### How To Reduce Email Bounces - 14 Quick Tips

... Pretest Your Emails: **Prior** to distributing your **email** to your ... Consider **sending** an **email** to members of your list ... but is bounced back undelivered **before** it gets ...

[www.emaillabs.com/article\\_reducebounces.html](http://www.emaillabs.com/article_reducebounces.html) - 35k - [Cached](#) - [Similar pages](#)

### Enhancing e-mail security with S/MIME

... **Prior** to S/MIME and similar technologies, Internet e ... key, and then authenticates my message just as **before**. ... and SMTP sender in this case.); **Sending** or receiving e ...

[www-10.lotus.com/ldd/today.nsf/Lookup/SMIME](http://www-10.lotus.com/ldd/today.nsf/Lookup/SMIME) - 59k - [Cached](#) - [Similar pages](#)

### [doc] Making the most of email (Mulberry)

File Format: Microsoft Word 2000 - [View as HTML](#)

... expected nor required to have any **prior** e mail ... To compose a new **email** message and

attach a ... attachments from the current composition **before sending**, if you have ...  
webmail.gold.ac.uk/docs/ Making%20the%20most%20of%20webmail.doc - [Similar pages](#)

### Outlook Email

... to learn the rules of the road **prior** to driving ... minimize, compress or "zip" large files  
**before sending** attaching them ... many people won't open **email** messages that ...  
it.mala.bc.ca/employees/tutorials/outlook\_email.htm - 44k - [Cached](#) - [Similar pages](#)

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prior before sending email confirm "i" **Search**

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These search terms have been highlighted: **email client**

## Email client

From Wikipedia, the free encyclopedia.

An **email client** (or **MUA** as in **mail user agent**) is a computer program that is used to read and send email. Protocols supported by email clients include POP3 and IMAP. IMAP and the updated IMAP4 are optimized for storage of email on the server, while the POP3 protocol generally assumes that the email is downloaded to the client. The SMTP protocol is used by most email clients to send email. In addition to the fat client email clients presented here, there are also web-based email programs such as Hotmail. America Online also has an **email client** as a component of its Internet access program.

Another important protocol supported by most email clients is MIME which is used to send binary attachments. Attachments are files that are not part of the email proper, but are sent with the email.

MAPI (Messaging Application Programming Interface) is a proprietary Microsoft Windows API which can be used to access the Microsoft Exchange email server or to interact with the Microsoft Outlook client.

**Javamail**, part of the platform-independent Java API, can be used to develop email clients or servers using any of the standard email protocols.

## Email clients

Name	Details	Platform
Akira22	Shareware	MS Windows
Balsa	GNOME, X11	Unix/Linux
The Bat!	Shareware	MS Windows
Becky! Internet Mail		MS Windows
Bloomba		MS Windows
Brightmail		MS Windows
cbConnect by CanyonBridge		Web
Columba ( <a href="http://columba.sourceforge.net/index.php">http://columba.sourceforge.net/index.php</a> )	(GPL)	Java, Unix/Linux, Mac OS, MS Windows
Datula		MS Windows

Delta Mail		MS Windows
EdMax		MS Windows
Elm	(GPL), console	Unix/Linux
Elmo	(GPL), console	Unix/Linux
Microsoft Entourage		Mac OS
Eudora		Mac OS, MS Windows, Palm OS
Eureka Email		MS Windows
Ximian Evolution	(GPL), X11	Unix/Linux
Forté Agent		MS Windows
Gauche		MS Windows
Gnus	(GPL)	Unix/Linux, Mac OS, MS Windows
Novell's Groupwise		MS Windows
IncrediMail		MS Windows
KMail	KDE, X11	Unix/Linux
Mail	(Provided with Mac OS X)	Mac OS
M2	The client in the Opera web browser	Mac OS, MS Windows, Unix/Linux
Mozilla Thunderbird	MPL public license (free, opensource); derived from the Mozilla browser suite	Mac OS, MS Windows, Unix/Linux
Mutt	(GPL)	Unix/Linux
NetMail		MS Windows
nPOP		MS Windows
nPOPQ		MS Windows
Nuvista Email		MS Windows
Microsoft Outlook and its cut-down version, Outlook Express		Mac OS, MS Windows
Outlook Web Access (OWA)		Web
Palm VersaMail	Included with the Tungsten series of handhelds and the Zire 71 handheld	Palm OS
Pegasus Mail		MS Windows
Pine	console	Unix/Linux, Mac OS, MS Windows
PlexMailer		MS Windows
PocoMail	Shareware	MS Windows
Pocket Outlook		Pocket PC

Blueprint PMMail		MS Windows
SquirrelMail	(GPL), a webmail client	PHP
Sylpheed	(GPL), X11	Unix/Linux, MS Windows
Sylpheed-claws	(GPL), X11, bleeding edge version of Sylpheed	Unix/Linux, MS Windows
TuruKame Mail		MS Windows
Visual Mail		MS Windows
VSMail Client		MS Windows
WeMail32		MS Windows
WinBiff		MS Windows
WinMail		MS Windows
Mozilla based		
Mozilla	Mozilla's Suite integrated mail client, MPL public license (free, opensource)	Mac OS, MS Windows, Unix/Linux
Netscape Messenger		Mac OS, MS Windows, Unix/Linux
Thunderbird	Standalone client, derived from the Mozilla browser suite	Mac OS, MS Windows, Unix/Linux

## External links

- [imap.org's list of products supporting IMAP](http://www.imap.org/products/) (*http://www.imap.org/products/*)
- [John De Hoog's list of Japanese email clients](http://www.dehoog.org/html/j-email.html) (*http://www.dehoog.org/html/j-email.html*)

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### 1 [TeleNotes: managing lightweight interactions in the desktop](#)

Steve Whittaker, Jerry Swanson, Jakov Kucan, Candy Sidner

June 1997 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 4 Issue 2Full text available: [pdf\(1.01 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Communication theories and technology have tended to focus on extended, formal meetings and have neglected a prevalent and vital form of workplace communication—namely, lightweight communication. Unlike formal, extended meetings, lightweight interaction is brief, informal, unplanned, and intermittent. We analyze naturalistic data from a study of workplace communication and derive five design criteria for lightweight interaction systems. These criteria require that systems for lightwe ...

**Keywords:** audio, awareness, computer-media spaces, conversation management, impromptu communication, informal communication, interpersonal communications, lightweight interaction, mediated communication, remote collaboration, task management, video

### 2 [Session III - supporting distributed groups: Evolving electronic communication networks: an empirical assessment](#)

J. D. Eveland, T. K. Bikson

December 1986 **Proceedings of the 1986 ACM conference on Computer-supported cooperative work**Full text available: [pdf\(875.59 KB\)](#)Additional Information: [full citation](#), [references](#), [citations](#)

### 3 [A TCP/IP network facsimile system built from publicly available software](#)

Chane Fullmer, Brent Auernheimer, William L. Morris

April 1992 **Proceedings of the 1992 ACM annual conference on Communications**Full text available: [pdf\(646.40 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A network desktop facsimile system was developed from inexpensive hardware and publicly available software. This system allows users on a TCP/IP network to develop documents and have them FAXed without printing out the document and using a manual FAX machine. The desktop facsimile system also receives FAXes. Schemes for electronic routing of incoming FAXes are outlined. The system is written in C and uses TCP/IP network protocols. Existing

standards, system development and integration of pu ...

#### 4 Electronic commerce: a half-empty glass?

Sasa Dekleva

June 2000 **Communications of the AIS**

Full text available:  [pdf\(343.49 KB\)](#) Additional Information: [full citation](#), [references](#)



#### 5 Supporting distributed groups with a Montage of lightweight interactions

John C. Tang, Ellen A. Isaacs, Monica Rua

October 1994 **Proceedings of the 1994 ACM conference on Computer supported cooperative work**

Full text available:  [pdf\(1.49 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Montage prototype provides lightweight audio-video glances among distributed collaborators and integrates other applications for coordinating future contact. We studied a distributed group across three conditions: before installing Montage, with Montage, and after removing Montage. We collected quantitative measures of usage as well as video-tape and user perception data. We found that the group used Montage glances for short, lightweight interactions that were like face-to-face convers ...

**Keywords:** awareness, informal communication, media space, remote collaboration, video



#### 6 Money in electronic commerce: digital cash, electronic fund transfer, and Ecash

Patiwat Panurach

June 1996 **Communications of the ACM**, Volume 39 Issue 6

Full text available:  [pdf\(551.73 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)



#### 7 Verifying security protocols with Brutus

E. M. Clarke, S. Jha, W. Marrero

October 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 9 Issue 4

Full text available:  [pdf\(347.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Due to the rapid growth of the "Internet" and the "World Wide Web" security has become a very important concern in the design and implementation of software systems. Since security has become an important issue, the number of protocols in this domain has become very large. These protocols are very diverse in nature. If a software architect wants to deploy some of these protocols in a system, they have to be sure that the protocol has the right properties as dictated ...

**Keywords:** authentication and secure payment protocols, formal methods, model-checking



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